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## LKB系列离心式空调风机技术手册

### The LKB Series Centrifugal Fan



浙江莱恩克风机有限公司  
ZHEJIANG LION KING VENTILATOR CO., LTD.



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浙江莱恩克风机有限公司  
ZHEJIANG LION KING VENTILATOR CO., LTD.

## 企业理念

Qualification Certificate

### 诚信立足，创新发展，共赢致远.....

Based on Honesty,Innovation to Promote Development,Mutual Benefits Lead to Great Future .....

诚信是莱恩克公司的立身之本。莱恩克一贯奉行全方位的诚信理念，倡导企业管理层、员工诚信经营、诚信服务，倡导同社会、客户、合作伙伴和谐发展，为铸造百年企业打下扎实根基。

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Honesty is the foundation of LION KING. We consistently pursue good faith as our principle. We advocate our managers and employees operating honestly, and we advocate to develop with society, customers and partners in harmony to make our company to exist more than one hundred years.

Innovation is the source of vitality of LION KING. We advocate innovation, and actively create good atmosphere for innovation, such as respecting talents, respecting knowledge, respecting hardworking, respecting creation. And in practice, we continue to promote innovation of our system, mechanism, technologies and products.

Mutual benefits are the way to lead us to a great future. With honest attitude, pragmatic work style and innovative thinking, we'll try our best to achieve multi-win situation for our company, employees, customers, partners and the society, which will help us for a long-time sustainable development.

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## 概述 Outline

**1** LKB 系列离心式空调风机是采用同类产品领先技术开发生产的低噪声紧凑型风机，额定流量 1000m<sup>3</sup>/h - 2000m<sup>3</sup>/h，全压 200Pa-850Pa，采用外转子电机直联，产品经“机械工业通用机械产品检测所”检测和广大顾客使用，具有效率高、噪声低、流量大、体积小、结构紧凑等特点，是柜式空调器、变风量空调器及其它暖通空调、净化、通风等设备理想的配套产品。

LKB series centrifugal fan is kind of air-conditioning fan. The impeller of the fan is driven by three phases external motor. It was developed by using high technology and with low noise and compact structure. It was specially designed for the air-conditioning. The flow rate and total pressure range of this series fan is from 1000m<sup>3</sup>/h to 2000m<sup>3</sup>/h and 200Pa to 850Pa. It is the ideal equipment for air-conditioning and other kind of ventilator system.

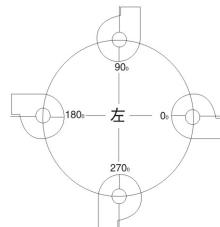


图1( Fig 1 )

## 产品型式 Type of Product

**3**

### 1) 旋向

LKB 系列风机可分为左旋(LG)和右旋(RD)两种旋转方式，从电机出线端正视，叶轮顺时针旋转的称为右旋风机、逆时针旋转的称为左旋风机。

### 2) 出风口方向

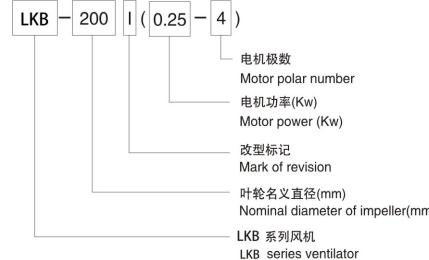
LKB 系列风机可按图1所示制成0°、90°、180°、270°四种出风方向。

## 产品命名方式 Designation of Products

**2**

LKB 系列风机命名方式由叶轮名义直径及转动方式组成：

The nomenclature of LKB Series ventilator type consists of nominal diameter of impeller and ways of ventilator driving



## 产品结构 Construction of Product

**4**

LKB 系列风机主要由机壳、叶轮、支板(框架)、电机、出风口法兰组成。

### 1) 机壳

机壳采用优质热镀锌钢板制成，侧板具有符合空气动力学的外形，并使风机体积达到最小，侧板进风口处设有进风圆，使气流无损失地进入叶轮。蜗壳板用点焊或咬合的方式与侧板连接成一体。在机壳侧板上预设了一系列的螺孔，以便按用户要求的出风口方向进行安装。

### 2) 叶轮

叶轮采用优质热镀锌钢板制造，叶片设计成符合空气动力学的特定形状，使得效率最高、噪声最低。叶片采用铆爪固定在中盘及端圈上，在最大功率连续运转时保持足够的强度、刚度。叶轮出厂前按高于国家标准的内控动平衡等级全检合格。

### 3) 支板(框架)

LKB 系列风机支板采用优质热镀锌钢板制成，支板安装方向可根据用户的不同需求进行安装。LKB 315以上风机的框架采用角钢和扁铁焊接而成，框架四边都冲有安装孔，以满足用户不同方向的安装需求。

### 4) 电机

LKB 系列风机配用外转子低噪声三相异步电动机，该电机具有轴固定、外壳旋转的特点。该电机安装在叶轮的中盘上，由电机外壳旋转直接驱动。根据用户需要，LKB 风机可选用特殊电机，该电机可通过三相调压器、可控硅调压器、变频器等手段进行无级调速，以适应系统负荷多变的要求。

### 5) 法兰

法兰采用热镀锌钢板制造，法兰与壳体的连接采用TOX免焊工艺，外观精美并具有足够的刚度与强度。法兰尺寸参照图2所示。



LKB Series ventilator consists of scroll, impeller, baseplate (frame), motor, shaft sleeve and air outlet flange.

### 1) Scroll

The scroll is made of high quality hot-galvanizing steel sheet. The side plates take the shape according to aerodynamics and make the ventilator volume minimum. On the air inlet of side plate there is an air-inlet to make the air stream enter the impeller without loss. The snail plate is fixed on the side plates by way of spot welding or biting as a whole. On the side plate of the scroll there are a series of holes drilled in advance for riveting nuts to carry out installation according to air outlet direction needed by the customer.

### 2) Impeller

The impeller is made of high quality hot galvanizing steel sheet and is designed to a special configuration according to aerodynamics to make the efficiency highest and the noise lowest. The impeller is fixed on the middle disk plate and on the end ring with riveting grippers. The impeller has enough rigidity during continuous rotation with maximum power. Before leaving factory, all impellers have passed all-round dynamic balance test according to the Company Standard which is higher than National Standard.

### 3) Baseplate(Frame)

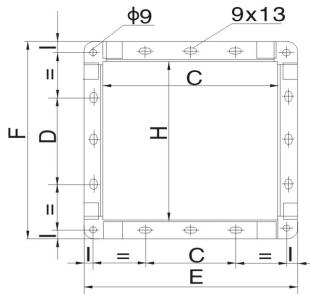
LKB Series ventilator baseplate is made of high quality hot galvanizing steel sheet. The direction of baseplate installation can be carried out according to the different requirements of customers. Over LKB 315 ventilator frame is made of angle steel and flatsteel. On four sides of the frame there are holes drilled for installation to meet customers requirements in different installation directions.

### 4) Motor

The motor used in LKB series fans are low noise three phase asynchronous motors with external rotors. The impeller is installed on the external casing of the motor. The motor rotation speed can be changed by using provided with three-phase voltage regular, silicon controlled. Voltage regulator, frequency converter and etc. to satisfy changeable load in system.

### 5) Flange

The flange is made of hot galvanizing angle steel. The connection of angle steel straps and the connection between flange and scroll are carried out by using TOX non-welding technology, thus obtaining fine appearance, enough rigidity and strength. The dimensions and type of flange are shown in Fig.2



Note: the size in mm.

型号 Type	200I	200II	225I	225II	250I	250II	280I	280II	315I	315II	355I	355II	400I	400II	450I	450II	500I	500II
A	121.5	159	138	153	149.5	159	160	188	—	—	—	—	—	—	—	—	—	—
B	118.5	124	132	132	145.5	145.5	162.5	162.5	—	—	—	—	—	—	—	—	—	—
C	—	—	—	—	—	—	—	—	140	140	140	140	140	140	140	170	170	170
D	—	—	—	—	—	—	—	—	140	140	140	140	140	140	170	170	170	170
E	263	338	296	326	319	338	340	396	394	456	431	487	475	516	525	586	564	656
F	257	268	284	284	311	311	345	345	394	394	431	431	475	475	525	564	562	—
G	223	298	256	286	279	298	300	356	338	400	375	431	419	461	470	530	508	600
H	217	228	244	244	271	271	305	305	338	338	375	375	419	419	470	469	508	506
I	10	10	10	10	10	10	10	10	13	13	13	13	13	13	13	13	13	13

图2(Fig 2)

## 风机性能 Performance of Ventilator

5) 该样本中风机性能均指在标准状态下的性能，即风机进气状态为：

进气压力  $P_a = 101.325\text{KPa}$

进气温度  $t = 20^\circ\text{C}$

进气气体密度  $\rho = 1.2\text{Kg/m}^3$

若用户实际使用的气体进气状态或使用的风机转速改变时则可按下列关系式换算：

$$\frac{Q_o}{Q_s} = \frac{n'}{n}$$

$$\frac{P_o}{P_s} = \frac{n'^2}{n^2} \cdot \frac{\rho'}{\rho} \quad \frac{P_o}{P_s} = \frac{n'^2}{n^2} \cdot \frac{P_a}{P_a} \cdot \frac{273+t}{273+t'}$$

$$\frac{Nin_o}{Nin_s} = \frac{n'^3}{n^3} \cdot \frac{\rho'}{\rho} \quad \frac{Nin_o}{Nin_s} = \frac{n'^3}{n^3} \cdot \frac{P_a}{P_a} \cdot \frac{273+t}{273+t'}$$

1) The ventilator performance in this catalogue denotes the performance in standard conditions. It denotes air inlet conditions of ventilator as follows:

Air inlet pressure  $P_a = 101.325\text{KPa}$

Air temperature  $t = 20^\circ\text{C}$

Inlet gas density  $\rho = 1.2\text{Kg/m}^3$

If the practical air inlet conditions of customer or the speed of the operating ventilator changes, the conversion can be carried out according to the following expression:

$$\frac{Q_o}{Q_s} = \frac{n'}{n}$$

$$\frac{P_o}{P_s} = \frac{n'^2}{n^2} \cdot \frac{\rho'}{\rho} \quad \frac{P_o}{P_s} = \frac{n'^2}{n^2} \cdot \frac{P_a}{P_a} \cdot \frac{273+t}{273+t'}$$

$$\frac{Nin_o}{Nin_s} = \frac{n'^3}{n^3} \cdot \frac{\rho'}{\rho} \quad \frac{Nin_o}{Nin_s} = \frac{n'^3}{n^3} \cdot \frac{P_a}{P_a} \cdot \frac{273+t}{273+t'}$$

## 上述式中

- 流量  $Q_o(\text{m}^3/\text{h})$ 、全压  $P_o(\text{Pa})$ 、转速  $n(\text{r}/\text{min})$ 、内功率  $Nin_o(\text{kW})$ 由性能曲线图上查得。
- 进气状态下所需的性能参数。
- 上式中略去了相对湿度的差别。
- 2) 风机性能按GB1236-2000标准检测，风机噪声指标是按GB2888-1991标准在离进风口1米处测定的声压级指标。

右上角加符号“\*”的则为用户实际使用气体进气状态下所需的性能参数



where:  
 • Volume  $Q_o(\text{m}^3/\text{h})$ , total pressure  $P_o(\text{Pa})$ , speed  $n(\text{r}/\text{min})$ , and  $Nin_o(\text{kW})$  can be obtained from Performance chart.

- Asterisk (\*) on the upper right corner denotes the performance parameter needed by the customers in practical gas inlet conditions.
- The difference in relative humidity is omitted from the above-mentioned formulas.

2) The performance of the sample ventilator is tested in accordance with GB1236-2000. Its noise index is measured according to GB2888-1991 at the point 1 metre from the inlet.

Asterisk (\*) on the upper right corner denotes the performance parameter needed by the customers in practical gas inlet conditions.

## 说明 Instructions

# 6

1) 风机配用电机功率是指在特定工况下，内功率加上电机容量安全系数而言，并非出风口全开时所需的功率，因此为防止电机超功率运转而烧毁，严禁风机未加外界任何阻力进行空运转。

2) 风机在无较大腐蚀性气体、不含酸（碱）性和尘粒物质 ( $150\text{mg/m}^3$ )的气体、温度小于  $40^\circ\text{C}$  大于  $-10^\circ\text{C}$  的气体环境下使用，风机在运输装卸过程中应小心轻放，防止碰撞挤压。

3) 风机安装前应用手或杠杆拨动叶轮，检查是否有过紧或碰撞现象，确认没有这些现象时方可进行试转。

4) 风管与风机进风口、出风口之间连接时尽量采用软连接，接头不得拉得过紧。

5) 风机安装后应检查机壳内部，不应有遗留工具和杂物。

6) 风机正式运转前，需检查电机的转向是否符合风机转向的要求。

7) 订货时须注明风机型号、转速、风量、风压、出风口方向、旋转方向以及电机型号规格等。

1) Matching electric motor power of ventilator denotes internal power plus safety coefficient of electric motor capacity in special operating condition, it does not denote the power required during full opening of air outlet. Therefore no-load running of ventilator without any applied resistance is strictly prohibited in order to avoid burning out of the motor caused by its operation at over rated power.

2) This fan is restricted for use in areas where air substances are non-corrosive, non-toxics and non-alkaline or where dust particles  $<150\text{mg/m}^3$ ,  $-10^\circ\text{C} < \text{temperature} < 40^\circ\text{C}$ . If special conditions during transportation, load and unload, it is strictly prohibited to shock the ventilators.

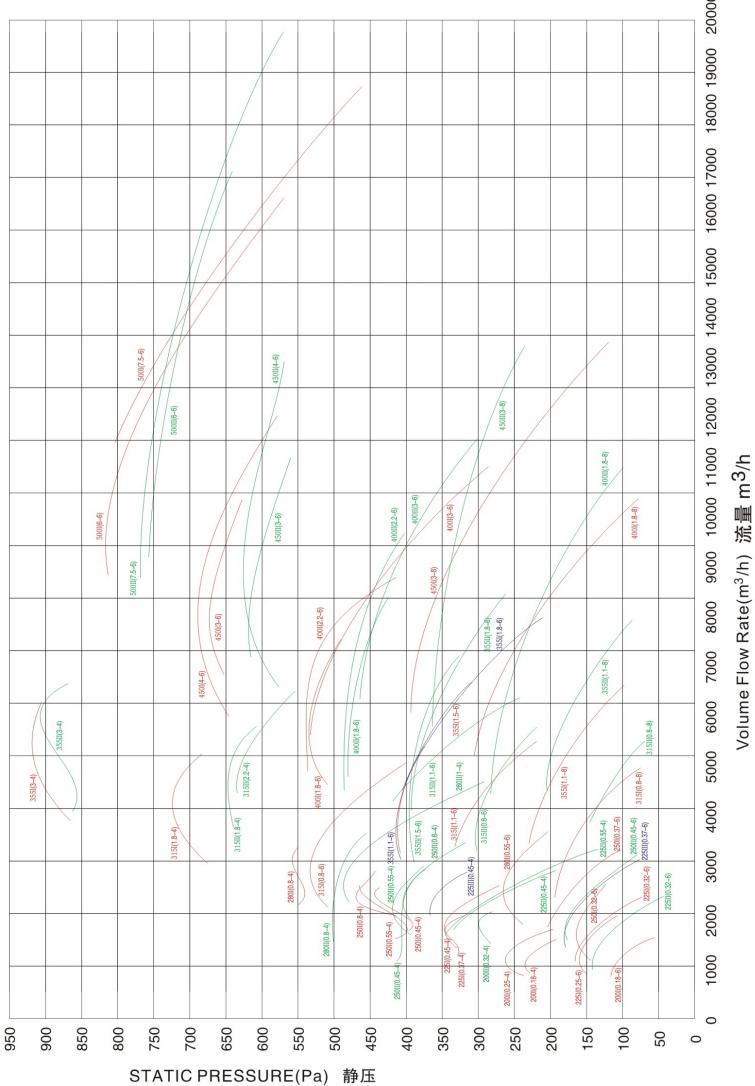
3) Prior to installing ventilator, rotate the impeller by hand or stick to check for tightness or impact. If it is ensured that there is no tightness and impact, then the installation can be carried out.

4) Soft connection between air pipe and ventilator air-inlet and outlet should be made as possible. The joints should not be tightened too much.

5) After installing, the scroll of ventilator should be inspected. There should not be tools and extra matters remained in the casing.

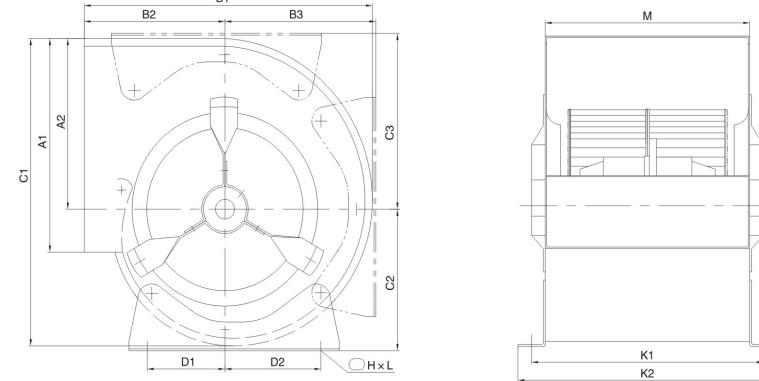
6) Prior to official operation of ventilation, it is necessary to check the rotating direction of both motor and ventilator for their coordination.

7) During ordering it is necessary to state the type of ventilator, speed, air volume, air pressure, direction of air outlet, rotating direction, type of electric motor and its specifications.



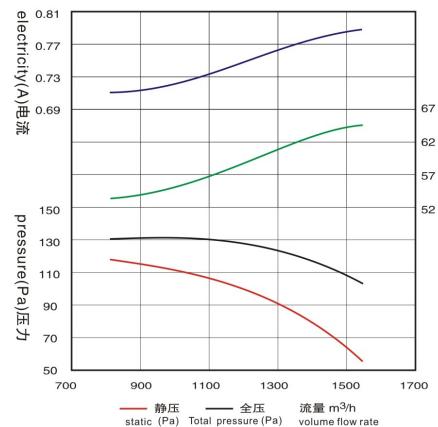
## LKB-200

### 外形及安装尺寸 Overall Size and Erection Size



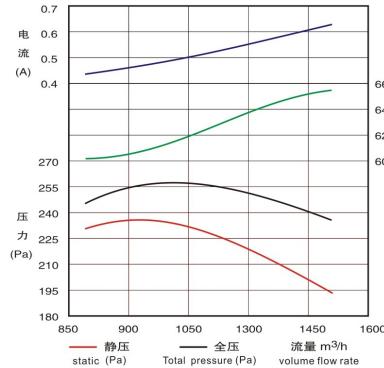
Specification	A1	A2	B1	B2	B3	C1	C2	C3	D1	D2	M	K1	K2	HxL
LKB200I	219	172	308	154	160	308	140	177	85	105	225	255	285	11×16
LKB200II	230	180	317	153	167	328	152	182	81	99	300	333	360	11×16

### 性能参数 Performance Parameter





## LKB-200

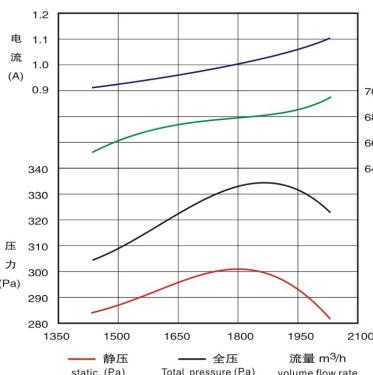


型号Model:200 I 配用电机Motor:0.18Kw-6  
重量Weight:15Kg 额定电流Rate current:0.64A

Air volume 流量 m³/h	Total pressure 全压 Pa	Static 静压 Pa	Electricity 电流(A)	SPL 声压级dB(A)
892	244	229	0.44	60.2
984	258	239	0.46	60.5
1088	255	232	0.48	61.2
1236	254	224	0.53	62.9
1374	248	211	0.58	64.6
1509	236	192	0.63	65.5

型号Model:200 I 配用电机Motor:0.25Kw-4  
重量Weight:15Kg 额定电流Rate current:0.9A

Air volume 流量 m³/h	Total pressure 全压 Pa	Static 静压 Pa	Electricity 电流(A)	SPL 声压级dB(A)
924	255	239	0.46	60.1
1190	290	263	0.59	61.6
1257	289	259	0.61	62.5
1485	276	234	0.75	65.0
1695	252	197	0.86	67.1



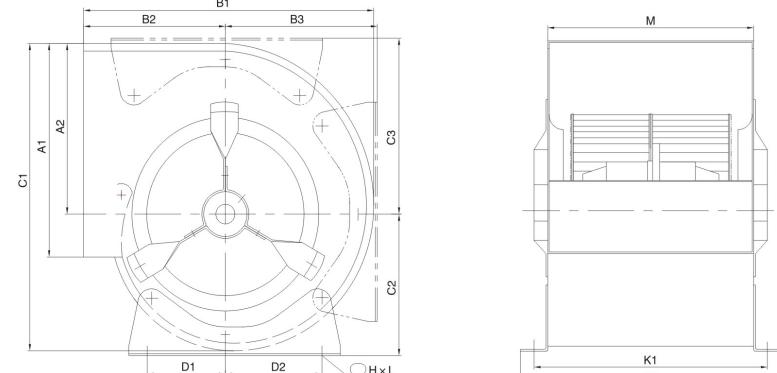
型号Model:200II 配用电机Motor:0.32Kw-4  
重量Weight:15.8Kg 额定电流Rate current:1.05A

Air volume 流量 m³/h	Total pressure 全压 Pa	Static 静压 Pa	Electricity 电流(A)	SPL 声压级dB(A)
1435	305	285	0.91	65.2
1536	311	287	0.93	66.5
1712	330	301	0.98	67.7
1958	329	291	1.06	68.6
2032	324	283	1.10	69.5



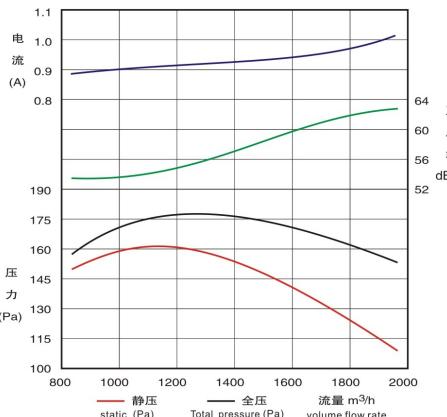
## LKB-225

### 外形及安装尺寸 Overall Size and Erection Size



Specification	A1	A2	B1	B2	B3	C1	C2	C3	D1	D2	M	K1	K2	HxL
LKB 225I	246	194	342	169	178	347	158	200	100	120	258	289	319	11×16
LKB 225II	246	215.5	357	167	193	380	167.6	218.5	100	120	288	319	349	11×16
LKB 225III	273	215	377	184	200	385	180	220	110	130	300	330	360	11×16

### 性能参数 Performance Parameter



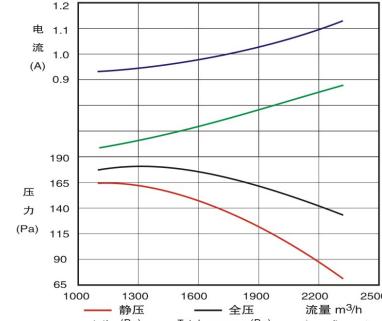
型号Model:225 I 配用电机Motor:0.25Kw-6  
重量Weight:17.6Kg 额定电流Rate current:1.0A

Air volume 流量 m³/h	Total pressure 全压 Pa	Static 静压 Pa	Electricity 电流(A)	SPL 声压级dB(A)
837	158	150	0.89	53.6
1302	177	157	0.92	56.0
1717	170	136	0.95	60.5
1794	156	119	0.98	62.3
1964	154	110	1.01	62.8



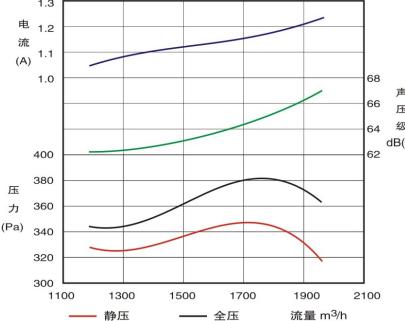
## LKB-225

型号Model:225 I 配用电机Motor:0.32Kw-6  
重量Weight:18.9Kg 额定电流Rate current:1.2A



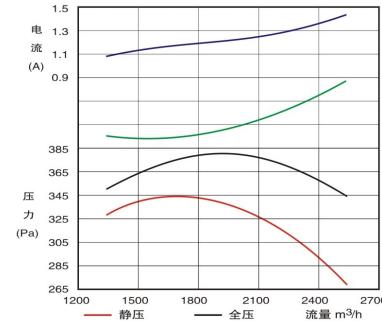
Air volume 流量 m³/h	Total pressure 全压 Pa	Static 静压 Pa	Electricity 电流(A)	SPL 声压级dB(A)
1103	178	165	0.93	56.5
1347	181	160	0.95	57.5
1694	173	141	0.99	60.8
1933	159	117	1.03	63.1
2184	144	91	1.10	64.2
2325	134	73	1.13	66.3

型号Model:225 I 配用电机Motor:0.37Kw-4  
重量Weight:17.9Kg 额定电流Rate current:1.22A



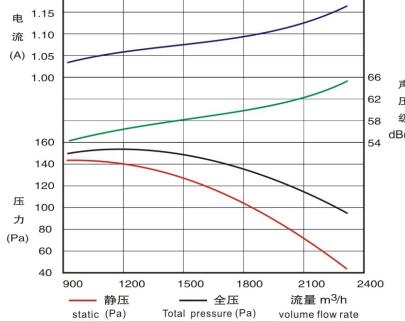
Air volume 流量 m³/h	Total pressure 全压 Pa	Static 静压 Pa	Electricity 电流(A)	SPL 声压级dB(A)
1189	344	328	1.05	62.2
1438	355	331	1.11	62.8
1763	385	349	1.17	65.0
1867	373	333	1.20	65.7
1965	363	319	1.24	67.0

型号Model:225 I 配用电机Motor:0.45Kw-4  
重量Weight:18.85Kg 额定电流Rate current:1.44A



Air volume 流量 m³/h	Total pressure 全压 Pa	Static 静压 Pa	Electricity 电流(A)	SPL 声压级dB(A)
1341	350	329	1.08	66.1
1920	380	338	1.21	66.2
2154	375	322	1.27	67.9
2334	364	301	1.32	69.4
2541	344	270	1.44	70.8

型号Model:225 II 配用电机Motor:0.32Kw-6  
重量Weight:16.7Kg 额定电流Rate current:1.29A

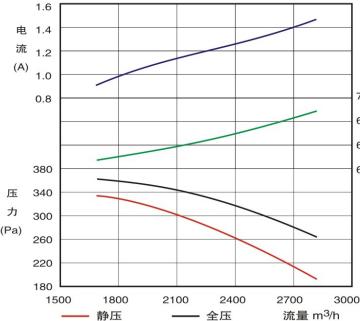


Air volume 流量 m³/h	Total pressure 全压 Pa	Static 静压 Pa	Electricity 电流(A)	SPL 声压级dB(A)
921	150	142	1.03	54.2
1285	154	138	1.09	56.6
1524	149	126	1.04	58.5
1737	137	108	1.10	59.5
2133	113	69	1.14	62.5
2322	95	43	1.16	65.5



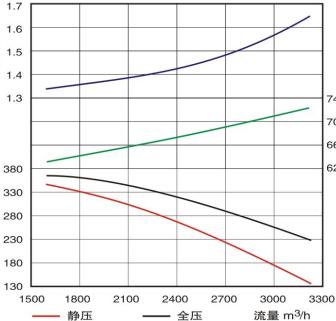
## LKB-225

型号Model:225 II 配用电机Motor:0.45Kw-4  
重量Weight:16.65Kg 额定电流Rate current:1.44A



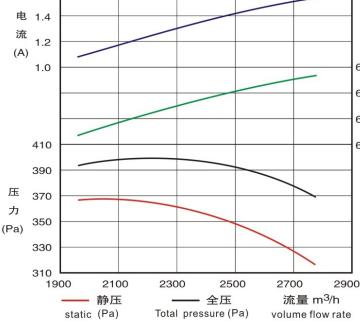
Air volume 流量 m³/h	Total pressure 全压 Pa	Static 静压 Pa	Electricity 电流(A)	SPL 声压级dB(A)
1689	362	335	0.90	63.2
1836	359	328	1.02	63.6
2257	328	281	1.18	65.7
2579	297	236	1.36	67.6
2819	265	192	1.46	69.3

型号Model:225 II 配用电机Motor:0.55Kw-4  
重量Weight:17.8Kg 额定电流Rate current:1.67A



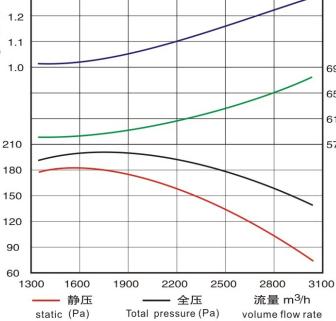
Air volume 流量 m³/h	Total pressure 全压 Pa	Static 静压 Pa	Electricity 电流(A)	SPL 声压级dB(A)
1596	365	345	1.34	63.3
2005	350	313	1.38	65.3
2614	300	237	1.45	68.2
2909	266	188	1.55	70.7
3224	229	133	1.65	72.4

型号Model:225 III 配用电机Motor:0.45Kw-4  
重量Weight:18.35Kg 额定电流Rate current:1.44A



Air volume 流量 m³/h	Total pressure 全压 Pa	Static 静压 Pa	Electricity 电流(A)	SPL 声压级dB(A)
1961	394	366	1.12	63.9
2140	399	367	1.18	64.5
2362	397	358	1.26	66.8
2502	391	347	1.31	67.3
2673	381	331	1.38	67.6
2775	370	316	1.44	68.6

型号Model:225 III 配用电机Motor:0.37Kw-6  
重量Weight:18.4Kg 额定电流Rate current:1.4A

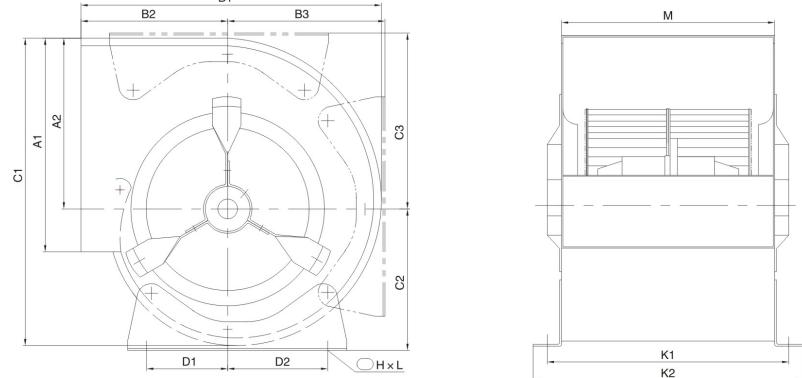


Air volume 流量 m³/h	Total pressure 全压 Pa	Static 静压 Pa	Electricity 电流(A)	SPL 声压级dB(A)
1345	191	178	1.01	58.1
1637	201	183	1.03	58.5
1939	197	171	1.05	59.2
2547	175	130	1.17	63.0
2851	154	97	1.24	65.7
3042	140	75	1.27	67.3



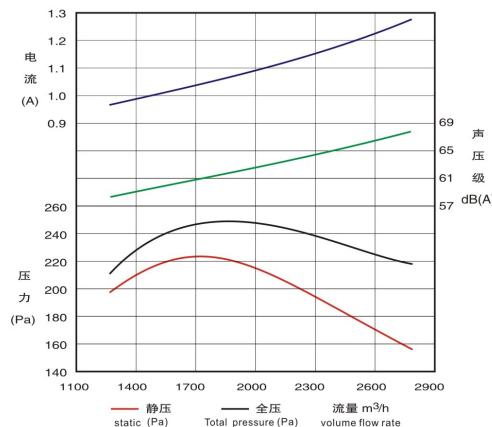
## LKB-250

外形及安装尺寸 Overall Size and Erection Size



Specification	A1	A2	B1	B2	B3	C1	C2	C3	D1	D2	M	K1	K2	H×L
LKB250I	273	215	377	184	200	385	180	220	110	130	281	311	341	11×16
LKB250II	272	226	389	187	205	403	181	229	110	130	300	330	360	11×16

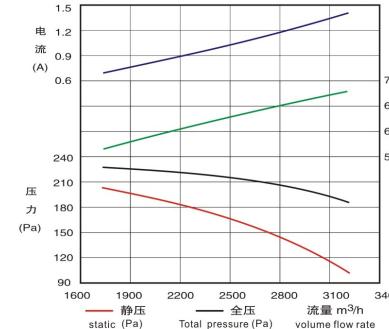
性能参数 Performance Parameter



型号Model:250 I 配用电机Motor:0.32Kw-6  
重量Weight:20.4Kg 额定电流Rate current:1.29A

Air volume 流量 m³/h	Total pressure 全压 Pa	Static 静压 Pa	Electricity 电流(A)	SPL 声压级dB(A)
1268	210	196	0.97	58.5
1778	251	225	1.05	61.1
2070	241	205	1.11	63.1
2258	239	197	1.13	64.3
2571	230	174	1.23	66.4
2786	219	154	1.28	67.7

型号Model:250 I 配用电机Motor:0.37Kw-6  
重量Weight:20.4Kg 额定电流Rate current:1.4A

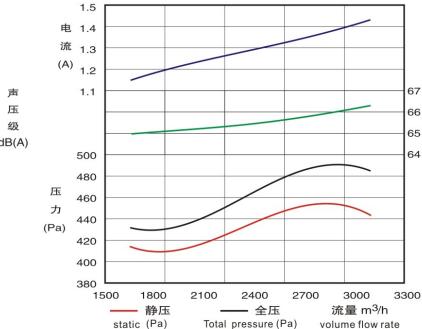


Air volume 流量 m³/h	Total pressure 全压 Pa	Static 静压 Pa	Electricity 电流(A)	SPL 声压级dB(A)
1734	227	203	0.69	60.2
2396	218	173	0.98	63.9
2675	210	154	1.11	66.7
2891	204	138	1.23	67.9
3217	183	102	1.40	69.2

## LKB-250

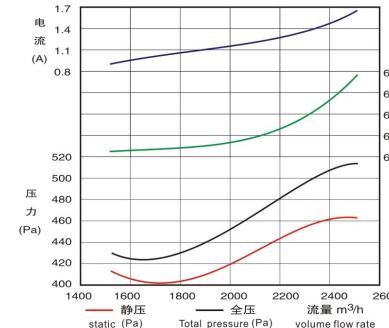


型号Model:250 I 配用电机Motor:0.45Kw-4  
重量Weight:20.35Kg 额定电流Rate current:1.44A



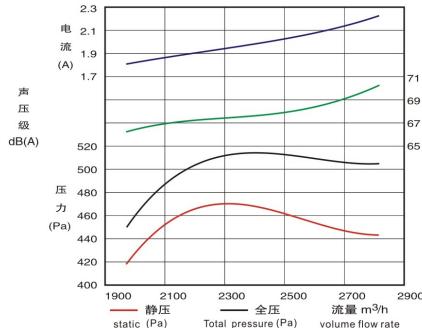
Air volume 流量 m³/h	Total pressure 全压 Pa	Static 静压 Pa	Electricity 电流(A)	SPL 声压级dB(A)
1685	419	397	1.15	65.0
1898	421	393	1.23	65.2
2132	473	437	1.30	65.5
2274	476	435	1.35	65.8
2489	483	434	1.43	66.3

型号Model:250 I 配用电机Motor:0.55Kw-4  
重量Weight:21.5Kg 额定电流Rate current:1.67A



Air volume 流量 m³/h	Total pressure 全压 Pa	Static 静压 Pa	Electricity 电流(A)	SPL 声压级dB(A)
1522	430	412	0.91	66.1
1808	435	409	1.01	66.2
2068	453	419	1.25	66.4
2401	516	471	1.40	67.3
2512	510	460	1.68	67.9

型号Model:225 I 配用电机Motor:0.8Kw-4  
重量Weight:23.65Kg 额定电流Rate current:2.22A

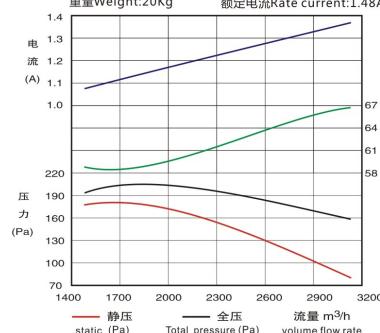


Air volume 流量 m³/h	Total pressure 全压 Pa	Static 静压 Pa	Electricity 电流(A)	SPL 声压级dB(A)
1972	449	418	1.81	66.3
2213	507	468	1.92	67.1
2396	512	466	1.97	67.8
2599	509	455	2.08	68.3
2817	506	442	2.22	70.3



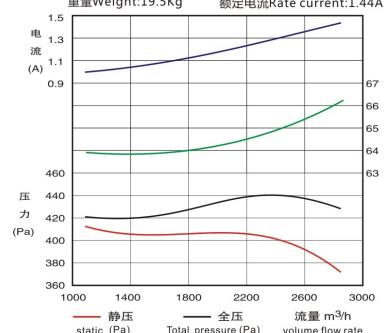
## LKB-250

型号Model:250II 配用电机Motor:0.45Kw-6  
重量Weight:20Kg 额定电流Rate current:1.44A



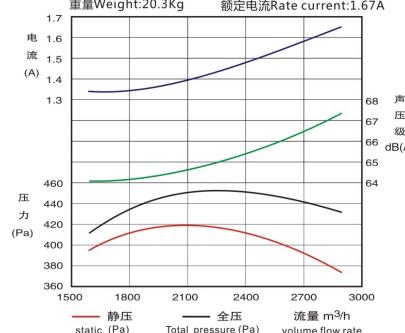
Air volume 流量 m³/h	Total pressure 全压 Pa	Static 静压 Pa	Electricity 电流(A)	SPL 声压级dB(A)
1483	195	177	1.08	58.7
1816	205	179	1.16	58.8
2158	201	164	1.18	60.3
2510	186	136	1.27	63.2
2836	174	110	1.33	65.2
3134	158	80	1.37	66.9

型号Model:250II 配用电机Motor:0.45Kw-4  
重量Weight:19.5Kg 额定电流Rate current:1.48A



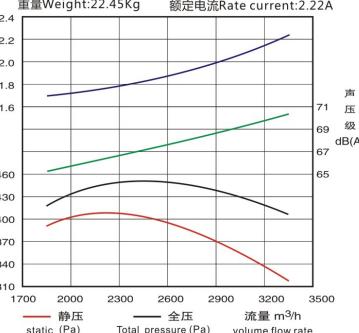
Air volume 流量 m³/h	Total pressure 全压 Pa	Static 静压 Pa	Electricity 电流(A)	SPL 声压级dB(A)
1090	421	413	1.00	63.9
2004	434	406	1.18	64.4
2410	443	403	1.30	64.8
2671	435	385	1.38	65.3
2853	430	373	1.44	66.3

型号Model:250II 配用电机Motor:0.55Kw-4  
重量Weight:20.3Kg 额定电流Rate current:1.67A



Air volume 流量 m³/h	Total pressure 全压 Pa	Static 静压 Pa	Electricity 电流(A)	SPL 声压级dB(A)
1590	412	394	1.34	64.1
2200	452	418	1.41	64.8
2410	451	411	1.50	65.4
2640	444	396	1.55	66.3
2895	432	374	1.65	67.4

型号Model:250II 配用电机Motor:0.8Kw-4  
重量Weight:22.45Kg 额定电流Rate current:2.22A

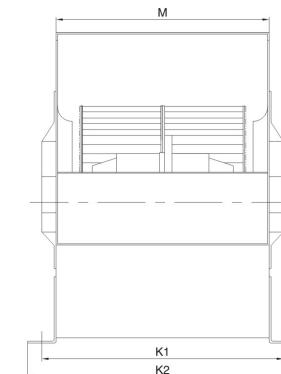
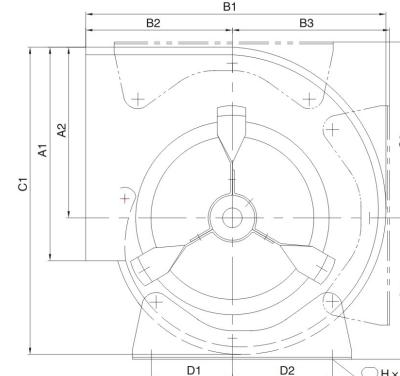


Air volume 流量 m³/h	Total pressure 全压 Pa	Static 静压 Pa	Electricity 电流(A)	SPL 声压级dB(A)
1853	419	392	1.70	65.1
2152	446	409	1.74	66.4
2448	451	403	1.84	67.5
2756	441	381	1.93	67.9
3047	432	358	2.06	68.9
3348	407	318	2.23	70.5



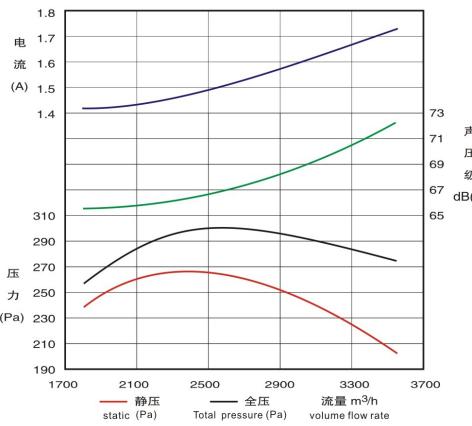
## LKB-280

外形及安装尺寸 Overall Size and Erection Size



Specification	A1	A2	B1	B2	B3	C1	C2	C3	D1	D2	M	K1	K2	H x L
LKB280I	305	241	417	201	220	432	195	245	132	138	300	330	360	11 x 16
LKB280II	305	241	417	201	220	432	195	245	132	138	356	386	416	11 x 16

## 性能参数 Performance Parameter

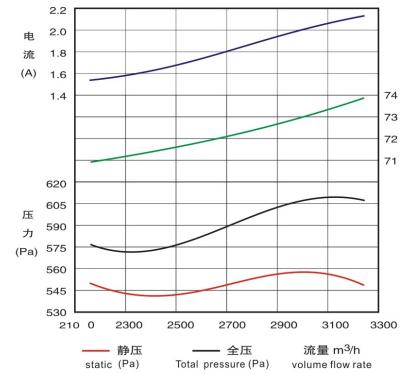


型号Model:280 I 配用电机Motor:0.55Kw-6  
重量Weight:24Kg 额定电流Rate current:1.68A

Air volume 流量 m³/h	Total pressure 全压 Pa	Static 静压 Pa	Electricity 电流(A)	SPL 声压级dB(A)
1803	257	239	1.42	65.6
2425	300	268	1.48	66.3
2838	296	252	1.56	68.1
3245	289	231	1.66	70.3
3556	273	203	1.73	72.2



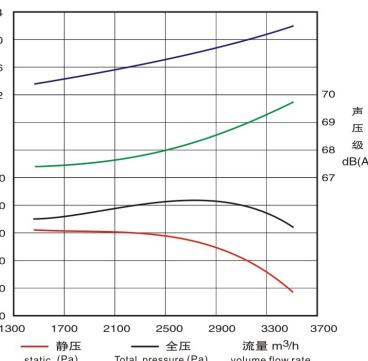
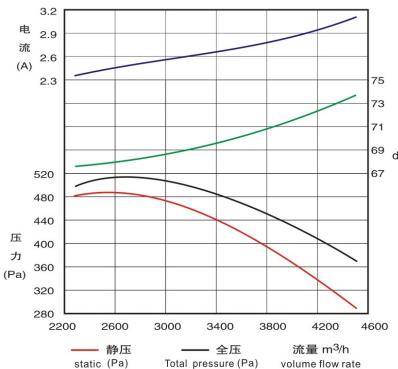
## LKB-280



Air volume 流量 m³/h	Total pressure 全压 Pa	Static 静压 Pa	Electricity 电流(A)	SPL 声压级dB(A)
2160	576	550	1.54	70.9
2507	578	543	1.69	71.7
2600	582	545	1.73	71.9
2853	600	555	1.91	72.4
3246	607	549	2.13	73.9

型号 Model:280 II 配用电机 Motor:0.8Kw-4  
重量 Weight:31.7Kg 额定电流 Rate current:2.31A

Air volume 流量 m³/h	Total pressure 全压 Pa	Static 静压 Pa	Electricity 电流(A)	SPL 声压级dB(A)
1460	510	502	1.36	67.4
2130	520	503	1.58	67.8
2670	521	493	1.79	68.1
3346	517	473	2.10	69.3
3510	503	455	2.21	69.8

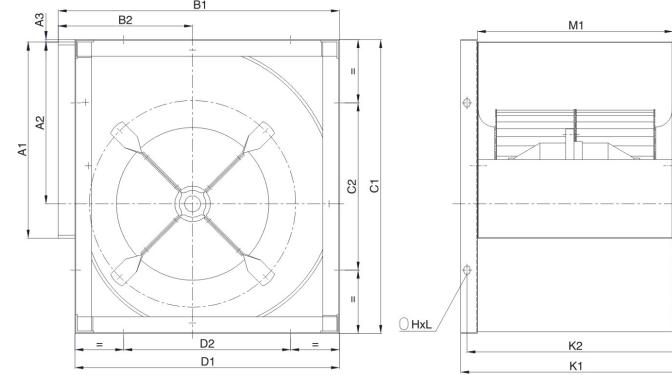


Air volume 流量 m³/h	Total pressure 全压 Pa	Static 静压 Pa	Electricity 电流(A)	SPL 声压级dB(A)
2280	500	480	2.36	67.6
2975	510	475	2.55	68.3
3875	440	381	2.83	71.4
4240	406	335	2.94	72.4
4510	370	290	3.12	73.6

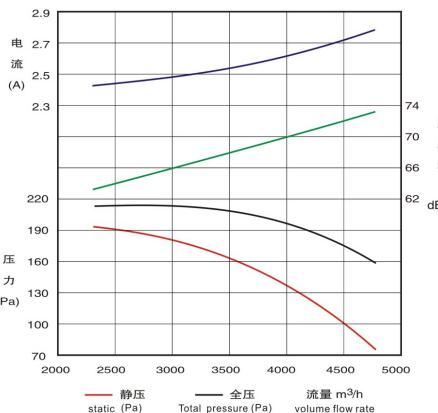


## LKB-315

### 外形及安装尺寸 Overall Size and Erection Size



### 性能参数 Performance Parameter



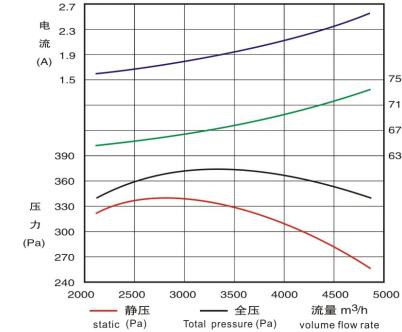
重量 Weight:43.8Kg 额定电流 Rate current:2.9A

Air volume 流量 m³/h	Total pressure 全压 Pa	Static 静压 Pa	Electricity 电流(A)	SPL 声压级dB(A)
2313	213	193	2.43	63.3
3028	213	180	2.49	65.9
3549	206	160	2.53	68.1
3883	200	145	2.60	69.5
4223	188	123	2.66	70.9
4776	158	76	2.79	73.3

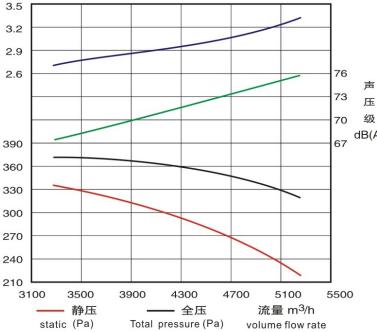


## LKB-315

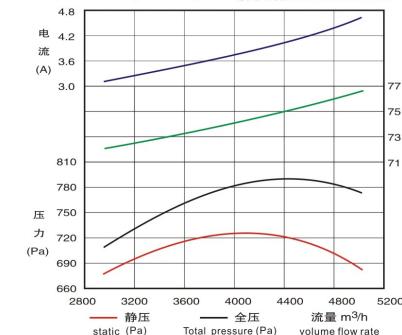
型号Model:315 I 配用电机Motor:0.8Kw-8  
重量Weight:42.2Kg 额定电流Rate current:2.55A



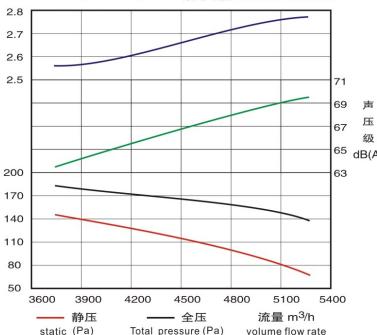
型号Model:315 I 配用电机Motor:1.1Kw-6  
重量Weight:43.8Kg 额定电流Rate current:3.3A



型号Model:315 I 配用电机Motor:1.8Kw-4  
重量Weight:46.7Kg 额定电流Rate current:4.7A

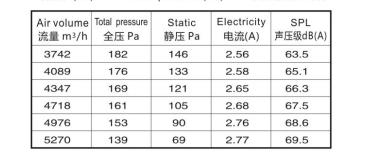


型号Model:315 II 配用电机Motor:0.8Kw-8  
重量Weight:42.1Kg 额定电流Rate current:2.9A



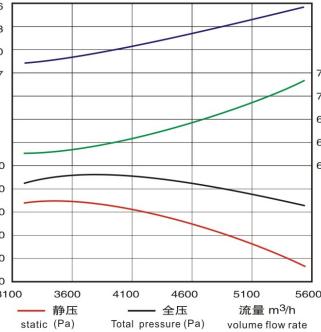
流量 m <sup>3</sup> /h	全压 Pa	静压 Pa	电流 A	SPL dB(A)
2957	709	678	3.14	72.1
3321	739	700	3.32	72.4
3704	771	722	3.56	73.5
4153	789	727	3.86	74.6
4549	787	713	4.14	75.3
5032	775	684	4.66	76.7

型号Model:315 II 配用电机Motor:1.1Kw-6  
重量Weight:42.1Kg 额定电流Rate current:2.55A

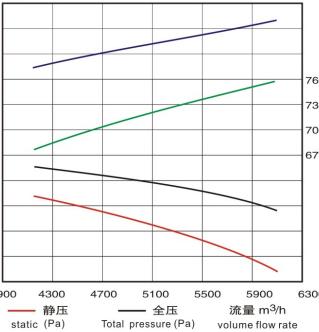


## LKB-315

型号Model:315 II 配用电机Motor:0.8Kw-6  
重量Weight:40.5Kg 额定电流Rate current:2.55A



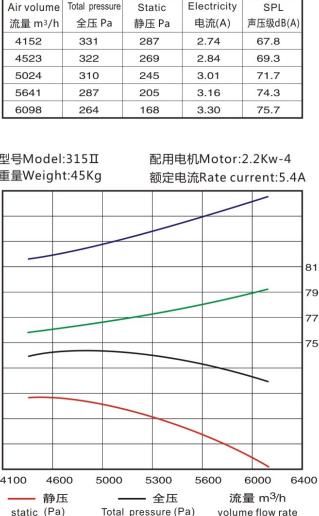
型号Model:315 II 配用电机Motor:1.1Kw-6  
重量Weight:42.1Kg 额定电流Rate current:3.3A



型号Model:315 II 配用电机Motor:1.8Kw-4  
重量Weight:42.1Kg 额定电流Rate current:4.7A



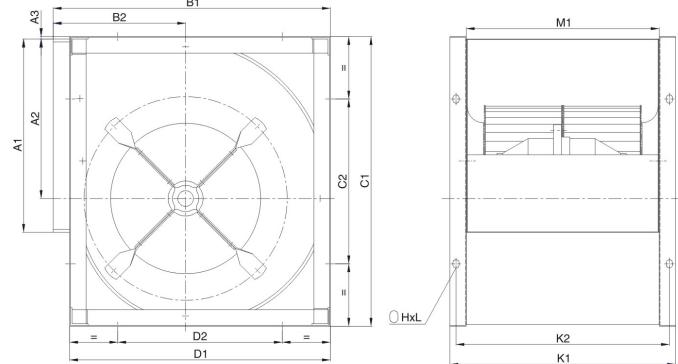
型号Model:315 II 配用电机Motor:2.2Kw-4  
重量Weight:45Kg 额定电流Rate current:5.4A





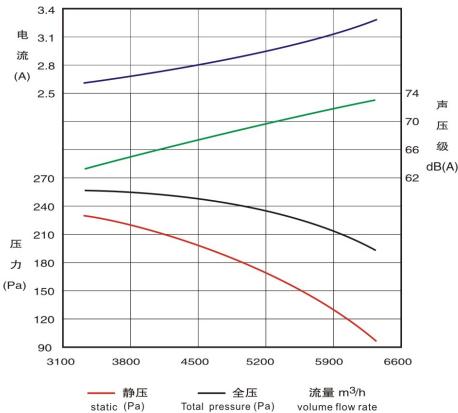
## LKB-355

外形及安装尺寸 Overall Size and Erection Size



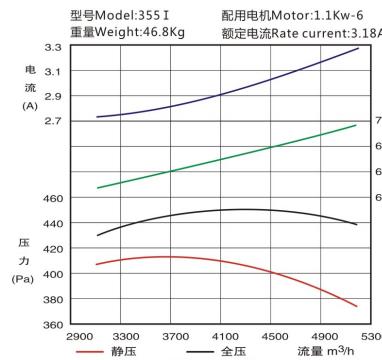
Specification	A1	A2	A3	B1	B2	C1	C2	D1	D2	M1	K1	K2	H x L
LKB355I	375	306	4	545	266	557	315	505	315	375	455	415	13 x 18
LKB355II	375	305	5	545	266	557	315	505	315	431	511	471	13 x 18

性能参数 Performance Parameter



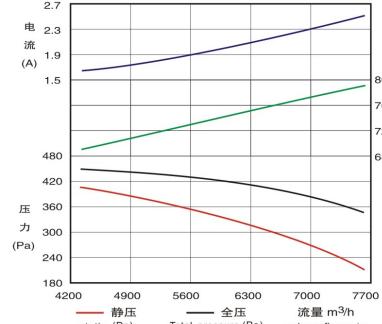
型号Model:355 I 配用电机Motor:1.1Kw-8  
重量Weight:53Kg 额定电流Rate current:3.67A

Air volume	Total pressure	Static	Electricity	SPL
流量 m³/h	全压 Pa	静压 Pa	电流(A)	声压级dB(A)
3318	256	230	2.62	63.2
3905	253	217	2.68	65.7
4539	246	197	2.81	67.3
5190	234	170	2.96	69.5
5723	216	139	3.06	71.4
6340	193	98	3.29	73.2



Air volume	Total pressure	Static	Electricity	SPL
流量 m³/h	全压 Pa	静压 Pa	电流(A)	声压级dB(A)
3107	431	408	2.74	65.9
3716	446	413	2.83	66.9
4350	450	405	2.97	68.6
4643	448	397	3.10	69.5
4951	444	385	3.18	70.2
5191	439	375	3.28	70.5

型号Model:355 I  
重量Weight:55.6Kg  
额定电流Rate current:5.0A

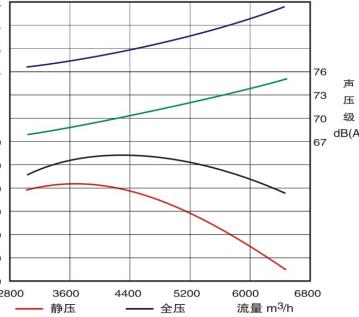


Air volume	Total pressure	Static	Electricity	SPL
流量 m³/h	全压 Pa	静压 Pa	电流(A)	声压级dB(A)
4329	450	405	1.65	69.1
5405	435	365	1.85	72.4
6023	418	331	2.01	74.3
6588	401	298	2.18	76.1
7147	378	257	2.36	77.6
7629	350	211	2.52	79.3



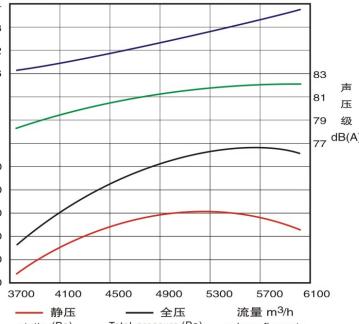
## LKB-355

型号Model:355 I  
重量Weight:53Kg  
额定电流Rate current:4.2A



Air volume	Total pressure	Static	Electricity	SPL
流量 m³/h	全压 Pa	静压 Pa	电流(A)	声压级dB(A)
3033	428	406	2.91	67.6
3478	445	416	3.03	68.9
4343	450	405	3.24	70.5
5458	436	365	3.68	72.3
5929	423	339	3.91	73.6
6475	405	305	4.21	75.3

型号Model:355 I  
重量Weight:57Kg  
额定电流Rate current:7.3A

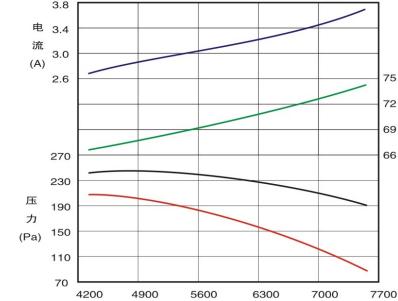


Air volume	Total pressure	Static	Electricity	SPL
流量 m³/h	全压 Pa	静压 Pa	电流(A)	声压级dB(A)
3758	893	867	5.70	73.7
4189	925	893	5.88	74.3
4568	950	912	6.22	74.8
4968	961	916	6.48	76.1
5473	975	920	6.80	77.2
6024	972	906	7.30	78.5

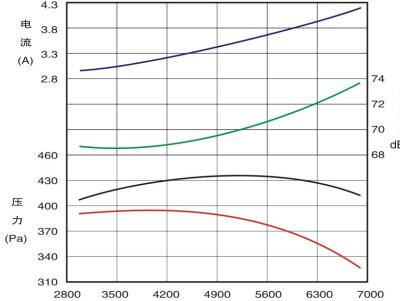


## LKB-355

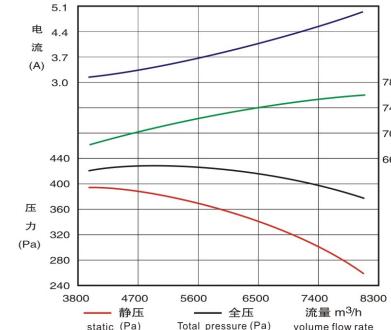
型号Model:355II 配用电机Motor:1.1Kw-8  
重量Weight:53.8Kg 额定电流Rate current:3.67A



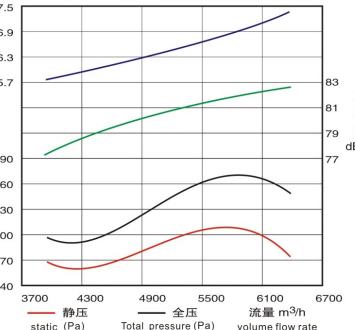
型号Model:355II 配用电机Motor:1.5Kw-6  
重量Weight:53.8Kg 额定电流Rate current:4.2A



型号Model:355II 配用电机Motor:1.8Kw-6  
重量Weight:56.4Kg 额定电流Rate current:5.0A

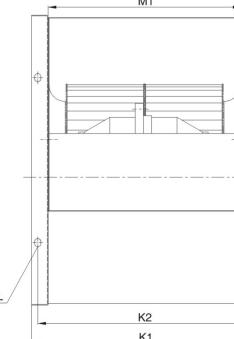
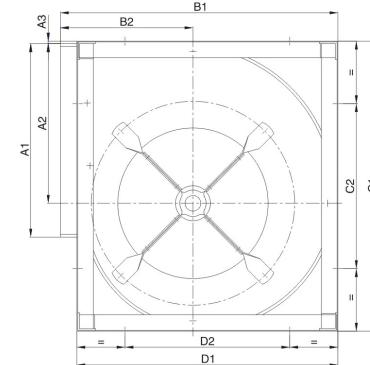


型号Model:355II 配用电机Motor:3.0Kw-4  
重量Weight:57.8Kg 额定电流Rate current:7.3A



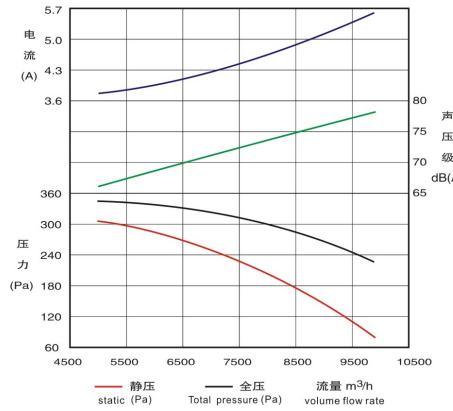
## LKB-400

外形及安装尺寸 Overall Size and Erection Size



Specification	A1	A2	A3	B1	B2	C1	C2	D1	D2	M1	K1	K2	H x L
LKB400I	419	344	5	605	292	626	355	565	355	419	499	459	13 x 18
LKB400II	419	344	5	605	292	626	355	565	355	460	540	500	13 x 18

### 性能参数 Performance Parameter



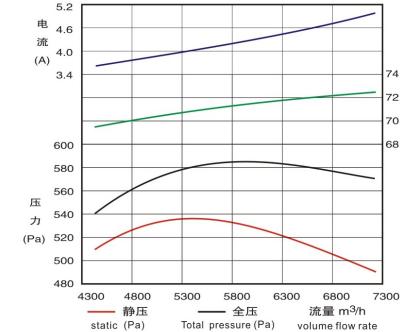
型号Model:400 I 配用电机Motor:1.8Kw-8  
重量Weight:65Kg 额定电流Rate current:5.59A

Air volume 流量 m³/h	Total pressure 全压 Pa	Static 静压 Pa	Electricity 电流(A)	SPL 声压级dB(A)
4998	345	307	3.76	66.5
6017	339	283	3.98	68.2
6967	325	251	4.20	70.8
8336	291	185	4.84	74.8
8879	269	149	5.06	76.5
9900	227	78	5.62	77.9

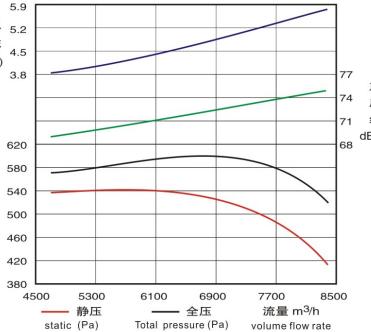


## LKB-400

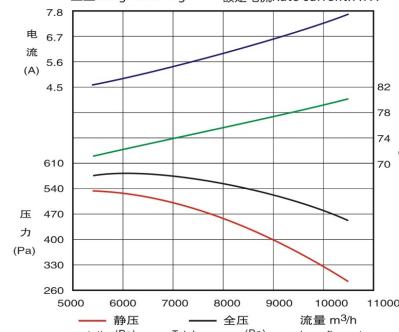
型号Model:400I 配用电机Motor:1.8Kw-6  
重量Weight:61.2Kg 额定电流Rate current:5.0A



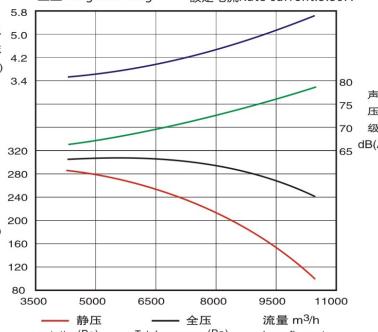
型号Model:400I 配用电机Motor:2.2Kw-6  
重量Weight:65Kg 额定电流Rate current:5.8A



型号Model:400I 配用电机Motor:3.0Kw-6  
重量Weight:76.4Kg 额定电流Rate current:7.7A



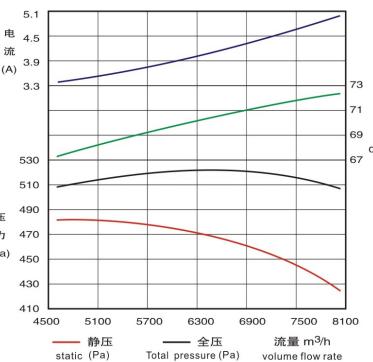
型号Model:400II 配用电机Motor:1.8Kw-6  
重量Weight:64.3Kg 额定电流Rate current:5.59A



## LKB-400

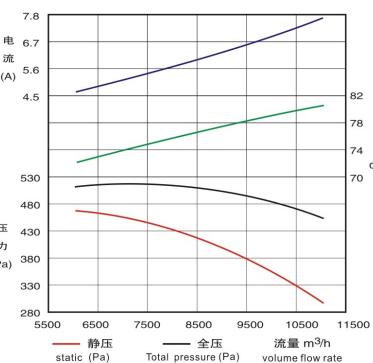
型号Model:400II 配用电机Motor:1.8Kw-6  
重量Weight:60.5Kg 额定电流Rate current:5.0A

Air volume 流量 m <sup>3</sup> /h	Total pressure 全压 Pa	Static 静压 Pa	Electricity 电流(A)	SPL 声压级dB(A)
4600	508	482	3.40	67.2
5736	517	475	3.76	69.5
6295	525	474	4.02	70.0
6709	520	463	4.24	70.7
7454	515	445	4.64	71.6
8031	508	426	5.00	72.4



型号Model:400II 配用电机Motor:2.2Kw-6  
重量Weight:64.3Kg 额定电流Rate current:5.8A

Air volume 流量 m <sup>3</sup> /h	Total pressure 全压 Pa	Static 静压 Pa	Electricity 电流(A)	SPL 声压级dB(A)
4358	510	486	3.40	70.0
4944	521	489	3.64	71.6
6311	527	476	4.20	72.4
7704	536	460	4.92	74.3
8306	528	440	5.24	75.9
9229	512	404	5.80	77.3



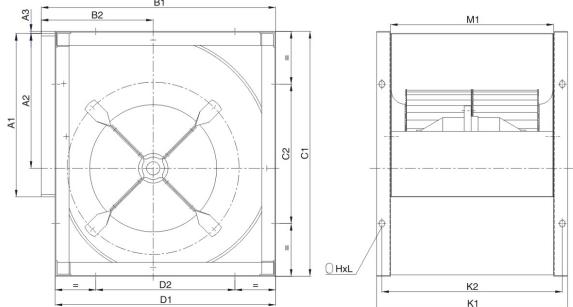
型号:400II  
配用电机:3.0Kw-6 重量:75.7Kg 额定电流:7.7A

Air volume 流量 m <sup>3</sup> /h	Total pressure 全压 Pa	Static 静压 Pa	Electricity 电流(A)	SPL 声压级dB(A)
6059	513	466	4.64	71.9
7040	514	451	5.18	74.1
7982	518	437	5.64	75.8
8934	504	403	6.18	77.3
9984	482	355	6.92	78.7
11058	456	301	7.70	80.7



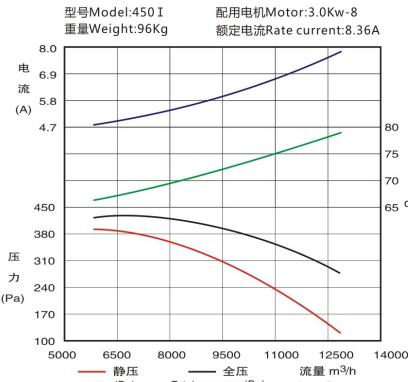
## LKB-450

外形及安装尺寸 Overall Size and Erection Size

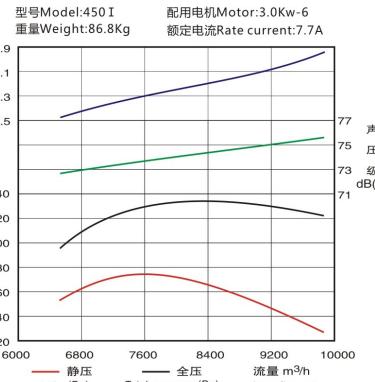


Specification	A1	A2	A3	B1	B2	C1	C2	D1	D2	M1	K1	K2	H × L
LKB450I	469	387	5	674	322	703	400	634	400	469	549	519	13×18
LKB450II	469	387	5	674	322	703	400	634	400	530	610	580	13×18

性能参数 Performance Parameter



Air volume 流量 m³/h	Total pressure 全压 Pa	Static 静压 Pa	Electricity 电流(A)	SPL 声压级dB(A)
5827	427	394	4.80	66.5
8200	418	352	5.46	69.7
9026	406	327	5.80	71.5
10053	381	282	6.18	73.1
10876	355	240	6.62	75.1
12863	281	120	7.84	79.1

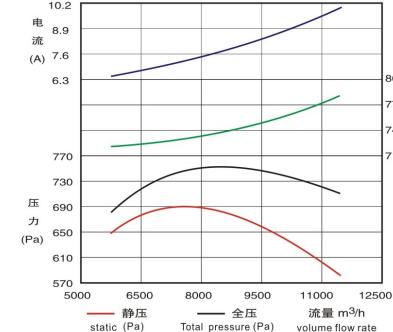


Air volume 流量 m³/h	Total pressure 全压 Pa	Static 静压 Pa	Electricity 电流(A)	SPL 声压级dB(A)
6532	696	654	5.60	72.7
7662	731	674	6.34	73.8
8058	734	671	6.52	74.0
8917	731	653	6.98	74.8
9403	728	641	7.34	75.3
9868	722	627	7.74	75.6



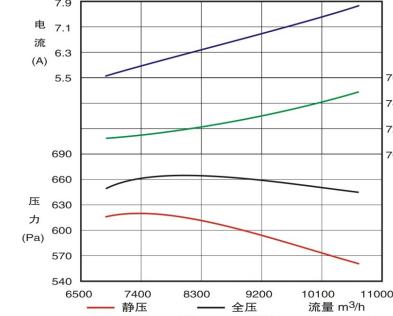
## LKB-450

型号Model:450 I  
重量Weight:96Kg  
额定电流Rate current:9.9A



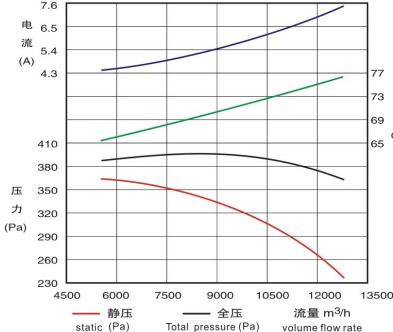
Air volume 流量 m³/h	Total pressure 全压 Pa	Static 静压 Pa	Electricity 电流(A)	SPL 声压级dB(A)
5759	681	649	6.50	72.1
7508	743	688	7.30	73.1
8420	753	684	7.65	73.8
9221	751	669	8.15	74.5
10597	725	616	9.25	76.3
11474	711	583	9.95	78.2

型号Model:450 II  
重量Weight:103.4Kg  
额定电流Rate current:7.7A



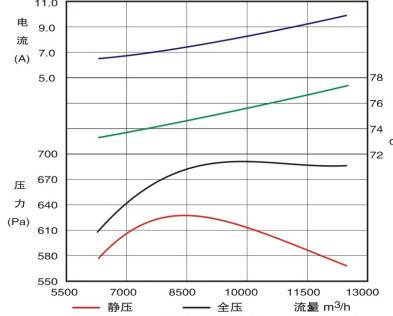
Air volume 流量 m³/h	Total pressure 全压 Pa	Static 静压 Pa	Electricity 电流(A)	SPL 声压级dB(A)
6864	652	616	5.58	71.2
8021	668	619	6.26	72.0
8752	659	601	6.62	72.5
9241	658	593	6.86	73.1
9919	655	580	7.34	73.7
10655	647	561	7.78	74.9

型号Model:450 II  
重量Weight:103.4Kg  
额定电流Rate current:8.36A



Air volume 流量 m³/h	Total pressure 全压 Pa	Static 静压 Pa	Electricity 电流(A)	SPL 声压级dB(A)
5551	388	365	4.45	65.9
7137	390	351	4.80	66.8
8924	399	338	5.45	70.6
10083	392	315	5.95	72.2
11071	383	290	6.45	73.7
12787	363	238	7.45	76.3

型号Model:450 II  
重量Weight:103.4Kg  
额定电流Rate current:9.9A

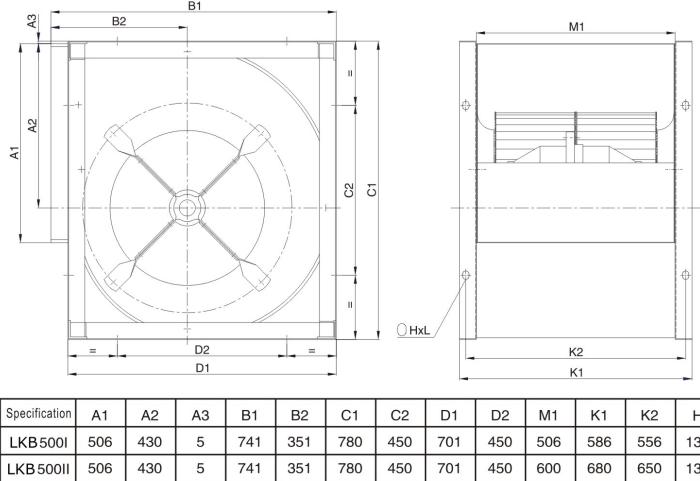


Air volume 流量 m³/h	Total pressure 全压 Pa	Static 静压 Pa	Electricity 电流(A)	SPL 声压级dB(A)
6290	608	578	6.60	73.3
6897	636	599	6.75	73.6
7892	676	628	7.20	74.4
10327	682	601	8.50	75.8
11154	694	599	9.00	76.4
12495	687	568	10.00	77.4

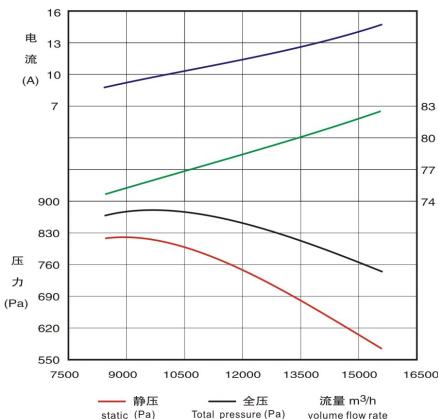


## LKB-500

### 外形及安装尺寸 Overall Size and Erection Size



### 性能参数 Performance Parameter



型号Model:500 I 配用电机Motor:6.0Kw-6  
重量Weight:127Kg 额定电流Rate current:14.5A

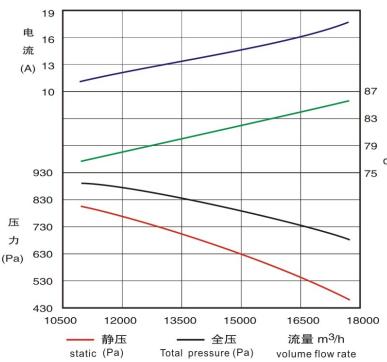
Air volume 流量 m³/h	Total pressure 全压 Pa	Static 静压 Pa	Electricity 电流(A)	SPL 声压级dB(A)
8444	867	816	8.85	74.8
10591	878	798	10.35	76.2
11394	864	770	10.95	78.2
13395	814	685	12.45	79.9
14413	784	635	13.45	81.3
15611	747	572	14.70	82.3



## LKB-500

型号Model:500 I 配用电机Motor:7.5Kw-6  
重量Weight:135Kg 额定电流Rate current:17.7A

Air volume 流量 m³/h	Total pressure 全压 Pa	Static 静压 Pa	Electricity 电流(A)	SPL 声压级dB(A)
10956	892	805	11.20	76.8
12470	864	752	12.50	78.6
14703	799	643	14.35	81.3
15305	782	613	14.85	82.7
16365	744	551	15.90	84.0
17739	688	461	17.70	85.5



型号Model:500 II 配用电机Motor:6.0Kw-6  
重量Weight:128.2Kg 额定电流Rate current:14.5A

Air volume 流量 m³/h	Total pressure 全压 Pa	Static 静压 Pa	Electricity 电流(A)	SPL 声压级dB(A)
8784	799	759	8.85	74.4
10109	804	752	9.65	75.3
12283	802	724	10.8	76.5
14529	791	683	12.8	78.7
15425	783	660	13.85	79.8
16117	777	643	14.5	80.2

